

Date: Mon, 22 Feb 93 11:03:33 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #243
To: Info-Hams

Info-Hams Digest Mon, 22 Feb 93 Volume 93 : Issue 243

Today's Topics:

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 antenna
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 can i decode dtmf-subtones?
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trivial soldering question from a novice (2 msgs)
 Uniden HR2510 mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Feb 1993 16:11:04 GMT
From: usc!wupost!crcnis1.unl.edu!moe.ksu.ksu.edu!phys.ksu.edu!
tipping@network.UCSD.EDU
Subject: Alinco DR-600 mods?

To: info-hams@ucsd.edu

I checked the three archive sights that normally have radio mods and none had anything for the Alinco DR-600. Anybody on the net have any information on mods for the DR-600?

Thanks,

Tracy (N00EY)

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=====
tipping@phys.ksu.edu          |                Practicing to be
tipping@ksuvm.bitnet          |                a dirty old man.
=====
```

Date: 22 Feb 1993 17:50:09 GMT
From: sdd.hp.com!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!
sol.ctr.columbia.edu!hamblin.math.byu.edu!usenet@network.UCSD.EDU
Subject: antenna
To: info-hams@ucsd.edu

I am an apt. dweller and I wish like to know the way to do dxing. Does anyone have any idea how to it, looking for an antenna. I have got ts-520s.

thnx in adv.

tatsuya

Date: Mon, 22 Feb 1993 15:37:25 GMT
From: usc!cs.utexas.edu!convex!linac!att!cbnewsm!jeffj@network.UCSD.EDU
Subject: A QRP list?
To: info-hams@ucsd.edu

In article <mac.730044355@depot.cis.ksu.edu.cis.ksu.edu> mac@cis.ksu.edu (Myron A. Calhoun) writes:

>a-kevinp@microsoft.COM (Kevin Purcell, Rho) writes:
>>Is there a mailing list out there devoted to QRP issues?

Sign me up too!

Jeff

--

Jeff Jones AB6MB | Nickel Back: What you get when you ask free
jeffj@seeker.mystic.com | agents to give you a million
Infolinc BBS 415-778-5929 | dollars worth of effort.

Date: 18 Feb 93 14:41:16 EST
From: usc!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!
arrl.org@network.UCSD.EDU
Subject: can i decode dtmf-subtones?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, vjh21@cas.org (Vince Herried ext 2877) writes:
>Radio Shack at one time sold a DTMF decoder chip, I've got one at home now.
>It generates a for bit output and some latch and strobe lines.

I don't think R-S carries them any more, but you can get SSI-202 DTMF
decoders from B.G. Micro (214-271-5546) in Dallas. They also have
8870 decoders made by, I think, Crystal.

(No affiliation with B.G.M, I just get asked this a lot.)

Jon Bloom, KE3Z | jbloom@arrl.org
American Radio Relay League | Justice is being allowed to do whatever
225 Main St. | I like. Injustice is whatever prevents
Newington, CT 06111 | my doing so. -- Samuel Johnson

Date: Mon, 22 Feb 1993 14:24:03 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!howland.reston.ans.net!spool.mu.edu!
mixcom.com!kevin.jessup@network.UCSD.EDU
Subject: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
To: info-hams@ucsd.edu

In <w2a48j@rpi.edu> maessm@bray1a.its.rpi.edu (Mathieu J. Maessen) writes:

>It is not illegal to own a radio that is capable of transmitting out of band.
>However, actually using that radio to transmit out of band is illegal without
>a license for that band, and is also illegal if the radio has not been type-
>accepted for transmission in that particular band.

I know it is illegal to transmit out of band. Forgive my ignorance (I'm new
at this: still waiting to receive my license) but I remember reading something
in the ARRL book "Now Your Talking" about out-of-band transmit being OK in an
emergency situation. In that case, I'd certainly want to modify my rig so I
could xmit out of band if the situation required it.

Is this true? And can anyone provide more detail on this matter? What does the "letter-of-the-law" say?

--

Kevin Jessup, kevin.jessup@mixcom.mixcom.com

"Friends don't let friends run DOS."

-- Microware

Date: 22 Feb 93 15:30:10 GMT

From: usc!howland.reston.ans.net!gatech!concert!duke!news.duke.edu!

ee.egr.duke.edu!jbs@network.UCSD.EDU

Subject: DJ-580 antenna

To: info-hams@ucsd.edu

In article <7214.1182.uupcb@satalink.com> marc.snyder@satalink.com (Marc Snyder) writes:

>I just picked up the DJ-580T, performed the blue wire mod, and everything
>is ok. But I was curious if there is a better antenna than the stock
>rubber duck. I suppose there is, but I'd appreciate any tips/suggestions.

I like my ANLI antenna. Actually, two antennas: there's a base that mounts on your HT, and into that you can screw either the super-skinny rubber duck (less than half the diameter of a pencil) or the large telescoping whip (which makes my HT perform better than it does when it's plugged into my mag-mount mobile 5/8 wave antenna).

The kit retails for around \$36.

Look for ANLI's ads in the backs of the ham rags. I got mine at a hamfest.

-joe

73 de KD4LLV

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You spend the night
Like you were spending a dime

- Lyle Lovett

Date: 22 Feb 1993 17:48:23 GMT

From: sdd.hp.com!cs.utexas.edu!swrinde!gatech!howland.reston.ans.net!

sol.ctr.columbia.edu!hamblin.math.byu.edu!usenet@network.UCSD.EDU

Subject: e-mail address for president

To: info-hams@ucsd.edu

when I was listening radio news line on last sunday. It mentioned the address for the white house on compuserve.... Does anyone catch it? If you did so, please e-mail the adress to me.

thnx
tatsuya

Date: Mon, 22 Feb 1993 16:44:04 GMT
From: usc!howland.reston.ans.net!gatech!ukma!news1.gsfc.nasa.gov!NewsWatcher!user@network.UCSD.EDU
Subject: EAST COAST TV Channels
To: info-hams@ucsd.edu

We VHF UHF operators of weak signals us TV stations to indicate conditions of the tropo. Can you fill in any more up or down the E.Coast? Especially UHF

Date: Mon, 22 Feb 1993 17:25:06 GMT
From: sdd.hp.com!caen!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.UCSD.EDU
Subject: HF mobile
To: info-hams@ucsd.edu

In a previous article, jmeacham@cam.nad.northrop.com (John W Meacham) says:

>Hi I am John KJ6TK.
>
>I am looking for tips, techniques, & experiences operating HF mobile.
>
>I am using a Yaesu 747 with a remote mounting kit in my compact car.
>The remote mounting kit is user installed option from Yaesu that
>allows the front panel to be remotely mounted from the radio body.
>I have the front panel between the two front seats (operator position)
>and the radio mounted in the trunk. I have about a 4" coax run from
>the radio to my ball mount currently sporting a Hustler antenna. I
>operate 17m much of the time, and have the resonators for 10, 12,
>20, & 40 m as well.
>
>I am intrigued by the new Kenwood TS-50 looks like the first HF radio
>that is made just for mobile operation. If Yaesu end Icom come out
>with similar radios, mobile HF may become more common. What you think?
>Are HF radios going to shrink to the size of early HTs (bricks) in the
>near future? I see a few one band low power rigs in the ads. But
>will a 100w 160-10m general coverage rig you can hold in your hand

>be around in a few years. What about power & antennas for a rig like
>that?

>

>-----

>

>John W. Meacham jmeacham@cam.nad.northrop.com | __o o
>Operations Productivity, Northrop Aircraft Division | _'\<,_ </_ _
>One Northrop Av, Hawthorne, CA 90250 m/s 5982/23 | (*)/ (*) -\\/_
>Tel: (310) 332-9196 Fax: (310) 332-3396 |73 from KJ6TK /_
>-----
>

Well, my friend was so impressed with the ad for the Kenwood 50 that
he sold his 757 and ordered the Kenwood today. There seems to be
a waiting list for them.

I run 3-4 watts with an Argonaut 509 and a hustler. I have had real
good luck on both SSB and CW.

73s

Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 22 Feb 93 15:09:22 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!
saturn.caps.maine.edu!maine.maine.edu!io80861@network.UCSD.EDU
Subject: IT CAME
To: info-hams@ucsd.edu

Got my ticket this morning. N10JG. Took my test 12/10/92 - the license
was issued 2/19/93. Received it 2/22/93.
Damon Kiesow - N10JG / I080861@Maine / 71131,1635 / 207-581-3059

Date: 22 Feb 93 15:52:04 GMT
From: news-mail-gateway@ucsd.edu
Subject: List of lists
To: info-hams@ucsd.edu

Hi,
Yes, I know...

I put my question to the wrong mailing-list, but I don't know any other way.
Somewhere out there on the Internet there is a list of lists.
A collection of mailing-lists and how to subscribe for them.
Does anyone know where to get this 'list of lists'?
I hope I can get it with anonymous ftp from somewhere.

Thanks,,,

Hans / SM5IMJ

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Hans Johansson, Distributed Systems Technology      Email: hans@scania.se
Scania Data AB                                     Tel:   +46 8 553 81199
Dept. SDP                                           Fax:   +46 8 553 85354
S-151 87 SODERTALJE
Sweden
-----
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Date: 22 Feb 93 10:03:53 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: New Kenwood HF Radio TS-50
To: info-hams@ucsd.edu
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In article <aXmcZB13w165w@garlic.sbs.com>, system@garlic.sbs.com (Anthony S. Pelliccio) wrote:

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> > flloyd@l1-a.West.Sun.COM (Fred Lloyd [Phoenix SE]) writes:
> > >
> > > We'll I'm surprised that nobody's mentioned this one yet, the new
> > > Kenwood TS-50!
>
> Hmmm.. I'm curious about the price.
```

Tony-

I got to play with the TS-50, last Saturday, over at Amateur Electronics Supply in Orlando. It is really an impressive little rig. However, they are in extremely short supply, and very few of the accessories are available yet.

AES price is \$1039 for the basic unit. They had a fax from Kenwood with list prices, but didn't have "selling" prices for accessories yet.

TS-50S	Super Compact, 100W HF	\$1199.95 (List)
AT-50	External Auto Tuner	329.95
AT-300	(single Wire)	624.95
YK-107C	500 Hz CW Filter	98.95

PG-2Y	DC Cable	29.95
PG-4M	Control Cable for AT-50	24.95
MB-13	Mounting Bracket	42.95
IF-10D	Computer Interface	TBA
S0-2	Super Stability TCX0	154.95
MA-5	5-Band Mobile Antenna	154.95
VP-1	Bumper mount for above	58.95

(from FAX dated 2/8/93)

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: Mon, 22 Feb 1993 13:52:10 GMT
 From: usc!howland.reston.ans.net!paladin.american.edu!darwin.sura.net!
 haven.umd.edu!wam.umd.edu!ham@network.UCSD.EDU
 Subject: QSL HELP
 To: info-hams@ucsd.edu

I worked the ARRL CW contest this weekend, and got some new ones. If
 anyone can help me with these DX QSLS:

HC1MD/HC4
 9A1A
 9A7A
 OT3T
 V31RL
 V26AS
 ZF2TV
 S51AW
 S52DV (possibly via Buro???)
 TI1C
 ZD8LII

Thanks for any help you can give!

Scott NF3I

--

73,

\ /

Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Long

| Live

Date: Mon, 22 Feb 1993 18:31:46 GMT
From: nsisrv!trust!charlson@ames.arpa
Subject: Question About Kenwood TM-741A
To: info-hams@ucsd.edu

I was wondering if any vendors/mail order places will sell a Kenwood TM-741A without the 440 MHz module. I know that is the configuration which is shipped from Kenwood but I have no need for the 440 module. I know the 440 isn't necessary and I'd prefer to have the 10 meter module instead.

Has anyone done this or attempted to do this with vendors or via mail order? Any information or assistance would be greatly appreciated. Please reply to the address below.

Deane R. Charlson charlson@trust.gsfc.nasa.gov
NASA dcharlson@zaphod.gsfc.nasa.gov
Goddard Space Flight Center Phone: (301) 286-7883
Greenbelt, MD 20771 Fax: (301) 286-7538

Date: 22 Feb 93 12:24:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: RTTY on PC Serial Ports
To: info-hams@ucsd.edu

Hi Ronnie,

Sorry its taken so long to get a reply to you, but I can't seem to mail you as the NSFNET-RELAY doesn't seem to know who to direct your message to.

Anyway thanks for the info on RTTY, we're slowly getting it together now.

73,

Paul
~~~~~

Packet: GW7KES@GB70NV.#45.GBR.EU Internet: pdu@ua.nrb.ac.uk

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Date: 22 Feb 1993 17:52:28 GMT  
From: usc!cs.utexas.edu!qt.cs.utexas.edu!news.Brown.EDU!noc.near.net!  
transfer.stratus.com!dbirch.mktg.stratus.com!user@network.UCSD.EDU

Subject: Soldering PL259's  
To: info-hams@ucsd.edu

I just spent most of this weekend putting up a new antenna, and most of the time seemed to be in soldering connectors onto the cable. I was using PL259's, and Belden 9913, and if I applied heat long enough to flow solder into the holes and onto the shield, it also seemed to be enough to melt the core and cause shorts. I tried a regular soldering station, a 100 watt soldering gun and a propane torch. Does anybody have any hints on soldering these things reliably? I'm not sure whether I was even successful at this point, it appears to have continuity, but could be marginally cold soldered for all I know. No problem with the center conductor, just the shield. I've successfully put together electronics projects from scratch and from kits, and can sweat pipes that are always leak-free, but this one soldering activity has me going crazy. (BTW, if anybody wants a few shorted PL259's with a short stub of 9913 coming out of them, let me know ;^)

Thanks for any and all helpful hints.

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Date: 22 Feb 1993 14:22:21 GMT  
From: usc!rpi!think.com!enterpoop.mit.edu!ai-lab!silver.lcs.mit.edu!  
moisan@network.UCSD.EDU  
Subject: Tektronix 502A scope--No HV  
To: info-hams@ucsd.edu

After a year and a half, I \*still\* haven't gotten my Tektronix 502A scope working. Symptom: No trace, No HV. Here's what I've checked:

- 1) The low-voltage supply is OK; all of the voltages are within spec. The +465V that supplies the HV circuits was a bit high when I checked, but this could be accounted for by circuit (un-) loading.
- 2) Tubes--6DT6 (Oscillator) and 12AU7 (Error Amp); both changed out. These two tubes form a DC-DC converter that supplies -3 KV to the CRT. The manual suggests the neon-bulb test for checking if the circuit oscillates. It doesn't.
- 3) HV transformer checked; all windings OK, no shorts.
- 4) HV rectifiers: There are three of them (5642's). I disconnected each of them, one at a time, to see if the oscillator would start running. It didn't. The rectifiers all glow, and it's not likely that they are \*all\* defective.
- 5) The filter and bypass caps were checked for shorts. Nothing. It

occurs to me that this might not show up in a low-voltage test  
(I used a 9V continuity beeper-box, and a HP 3440 DMM to test.)

I'm at a dead end. It's my first scope, and I went through a \*lot\* of trouble to get it. I really want this working. Any \*definitive\* suggestions would be greatly appreciated.

73's, N1KGH

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```
| David Moisan, N1KGH    /^\_\/^\    dmoisan@pro-angmar.alfalfa.com |  
| 86 Essex St. Apt #204 ( o ^ o )  moisan@silver.lcs.mit.edu      |  
| Salem. MA 01970-5225      | |                                     |  
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Date: 22 Feb 1993 16:47:45 GMT  
From: usc!howland.reston.ans.net!agate!sherw@network.UCSD.EDU  
Subject: trivial soldering question from a novice  
To: info-hams@ucsd.edu

I recently mail-ordered a dozen AA NiCads for the dry-cell pack for my HT (a DJ-580) so I can have more convenient power to use in emergency communications (I'm a Red Cross volunteer/ARES/etc). However, I noticed that the cathodes of these AA cells are wide and stubby and do not protrude enough to touch the positive contacts in the dry-cell pack or in my recharger (in many devices there usually is some plastic casing that the rim of the AA casing/barrel rests against that prevents the cathodes of these new AA cells of mine from making electrical contact). As a solution I've been thinking of soldering a small washer or nut to the cathodes, however my experience with soldering has been rather minimal.

I know solder won't adhere to metals like aluminum - so I am unsure if the cathodes of my AA cells are solderable by conventional means. Secondly, anyone else have a different approach to this problem?

thanks and 73 -  
greg KD6QPY  
sherw@ocf.berkeley.edu

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Date: 22 Feb 93 13:33:24 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: trivial soldering question from a novice

To: info-hams@ucsd.edu

In article <1mb03h\$4l3@agate.berkeley.edu>, sherw@ocf.berkeley.edu (Gregory Sherwin) wrote:

>  
> I recently mail-ordered a dozen AA NiCads for the dry-cell pack for my  
> HT (a DJ-580) so I can have more convenient power to use in emergency  
> communications (I'm a Red Cross volunteer/ARES/etc). However, I noticed  
> that the cathodes of these AA cells are wide and stubby and do not  
> protrude enough to touch the positive contacts in the dry-cell pack or  
> in my recharger

greg-

You can probably solder to the battery. You have to try it to find out. However, I've had very poor luck with batteries that had been soldered this way. I'm not sure what happened. Possibly insulation melted inside the batteries. At any rate, battery life has been poor after soldering.

If you can't trade them for a different brand or get your money back, take a look at trimming the insulating jacket with an exacto knife. If it were this outer jacket that prevents the battery from making contact, fixing by trimming would be a much preferred way to go.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

-----  
Date: 22 Feb 93 09:50:05 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Uniden HR2510 mods  
To: info-hams@ucsd.edu

In article <9034.15.uupcb@ncoast.ORG>, flbbs!larry.mittman@ncoast.ORG (Larry Mittman) wrote:

> Has anyone on the net any knowlege of whether the Uniden HR2510 ten  
> meter rig can be modified to become a SIX meter rig? I know all about  
> the 11 and 12 meter mods, but I would like a 6 meter mod.

Larry-

Have you looked into the frequency scheme of the 2510? I have the HR-2600, which probably can be retuned to somewhere near six meters. I recall that the 10.695 MHz IF is mixed with something in the 30 MHz range to produce ten meters. If the appropriate crystal was changed to an appropriate new value, and the tuned circuits modified to six meters, it should work.

However, USB and LSB would be swapped. If that bothered you, you could swap the 56 pf and 12 pf capacitors in the carrier oscillator circuit, and retune for the opposite sideband. I don't know how you would make the dial read "50" instead of "28". I wonder if there are any Uniden engineers on the net?

Incidentally, I've seen no mention of the HR-2600 in any of the HR-2510 or HTX-100 mods. Since it was discontinued while the older HR-2510 is still in production, I assume it is because it can't be "fixed" to work on CB!

Also, the carrier alignment of the HR-2600 has the carrier frequencies 2 1/2 KHz away from the center of the 10.695 IF filter, while the HTX-100 has carrier frequencies 1 1/2 KHz away. The result is that the HR-2600 hears USB stations higher in frequency, better than the ones on the frequency you're listening to. I'm working on realigning it to improve readability, but haven't been able to swing the USB crystal far enough yet. I suspect this problem may be another reason the HR-2600 was discontinued.

73, Fred, K4DII

[fred-mckenzie@ksc.nasa.gov](mailto:fred-mckenzie@ksc.nasa.gov)

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Date: 22 Feb 93 15:52:15 GMT  
From: sun-barr!olivea!sgigate!odin!chuck.dallas.sgi.com!adams@ames.arpa  
To: info-hams@ucsd.edu

References <9302171922.AB15883@netmail.microsoft.com>,  
<mac.730044355@depot.cis.ksu.edu.cis.ksu.edu>,  
<1993Feb22.104213.18823@softserv.zdv.uni-tuebingen.de>\$  
Subject : Re: A QRP list?

In article <1993Feb22.104213.18823@softserv.zdv.uni-tuebingen.de>,  
...stuff deleted....

|> A pity that QRP ARCI does not publish its lists.  
|> (So you never know, if you are talking with a member or not.)  
|>

|> 73 es 72  
|> de Hajo  
|>

|> -----  
|> | Hajo Dezelski | Universitaet Tuebingen | |
|> | | | Seminar fuer Sprachwissenschaft |  
|> | DL1SDZ @ DB0PIC | Kleine Wilhelmstrasse 113 |  
|> | | | D-7400 Tuebingen |  
|> | 07071/29-7315 | [hjd@arbuckle.sns.neuphilologie.uni-tuebingen.de](mailto:hjd@arbuckle.sns.neuphilologie.uni-tuebingen.de) |  
|> ~~~~~

it's my understanding that the QRP ARCI does not publish it's membership list due to contests, i.e. during contests, members exchange membership numbers. these are used by the contest chairperson to verify entries.

there are only 1700 currentltly active members, while membership numbers exceed 6500 and possibly 7000.

de k5fo chuck   dit       dit   #6285 QRP ARCI

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End of Info-Hams Digest V93 #243

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